



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 404/5T
Output : 100 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 460 V
Rated current : 113 A
Locked rotor current : 814 A
Locked rotor current (I_L/I_n) : 7.2
No-load current : 43.0 A
Full load torque : 291 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 13 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1222 lb
Moment of inertia : 26.405 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6217 C3	6314 C3
Regreasing interval	9149 h	9789 h
Grease amount	21 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	95.4
75%	0.82	95.0
50%	0.72	94.5

Notes:
Downloaded from <http://dealerselectric.com>
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